

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/002252

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04M3/42 H04M15/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/76299 A (HEATLEY DAVID JOHN TAYLOR ; BRITISH TELECOMM (GB)) 11 October 2001 (2001-10-11) abstract; claims 1-6 page 1, line 1 - page 3, line 9 page 5, line 1 - line 12 page 7, line 22 - line 28 page 8, line 9 - page 9, line 22 page 11, line 1 - line 28 page 13, line 13 - line 22 -----	1-18
X	EP 1 271 911 A (HEWLETT PACKARD CO) 2 January 2003 (2003-01-02) abstract; claims 19-21; figure 1 paragraph '0009! - paragraph '0039! ----- -/--	1-3,5,7, 12,15,17



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

26 October 2004

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03/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 969 644 A (NOKIA MOBILE PHONES LTD) 5 January 2000 (2000-01-05) abstract paragraph '0001! - paragraph '0012! -----	14
A	US 5 581 607 A (RICHARDSON JR CHARLES T ET AL) 3 December 1996 (1996-12-03) abstract; claim 1; figure 6 column 1, line 54 - column 3, line 25 column 6, paragraph 20 - paragraph 61 -----	6,8-11
A	US 6 307 928 B1 (YAMASAKI YASUKIYO) 23 October 2001 (2001-10-23) abstract; claims 1-5; figures 6,21,29 column 2, line 15 - line 63 column 22, line 36 - line 52 -----	1-18

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/002252

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0176299	A	11-10-2001	AU 4261501 A	15-10-2001
			CA 2404732 A1	11-10-2001
			EP 1269785 A1	02-01-2003
			WO 0176299 A1	11-10-2001
			US 2003050096 A1	13-03-2003
EP 1271911	A	02-01-2003	EP 1271911 A1	02-01-2003
EP 0969644	A	05-01-2000	EP 0969644 A1	05-01-2000
			US 6792287 B1	14-09-2004
US 5581607	A	03-12-1996	US 5355403 A	11-10-1994
			US 5317627 A	31-05-1994
			US 5113430 A	12-05-1992
			US 5943403 A	24-08-1999
			US 5692034 A	25-11-1997
			US 5835572 A	10-11-1998
			US 5487103 A	23-01-1996
			US 5619556 A	08-04-1997
			US 5652785 A	29-07-1997
			US 5335266 A	02-08-1994
			AT 166511 T	15-06-1998
			AU 8950091 A	28-04-1992
			CA 2069009 A1	02-04-1992
			DE 69129449 D1	25-06-1998
			DE 69129449 T2	18-02-1999
			EP 0503059 A1	16-09-1992
			WO 9206548 A1	16-04-1992
US 6307928	B1	23-10-2001	JP 11122355 A	30-04-1999